

**LEMBAR**  
**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW**  
**KARYA ILMIAH : JURNAL ILMIAH INTERNASIONAL**

**FORM 12**

Judul Jurnal Ilmiah (Artikel) : Determinants of age-appropriate breastfeeding, dietary diversity, and consumption of animal source foods among Indonesian children

Jumlah penulis : 1) Susy K. Sebayang, 2) Michael J. Dibley, 3) Erni Astutik, 4) Ferry Efendi, 5) Patrick J. Kelly, 6) Mu Li (6) orang

Status Pengusul : Penulis Ke-4 dari 6 penulis

Identitas Jurnal Ilmiah : a. Nama Jurnal : Maternal & Child Nutrition  
b. Nomor ISSN: 1740-8695  
c. Volume, Nomor, bulan, tahun : Vol. 16 No. 1 (2020)  
d. Penerbit : John Wiley & Sons, Ltd  
e. DOI artikel : 10.1111/mcn.12889  
f. Alamat web Jurnal :

<https://onlinelibrary.wiley.com/doi/full/10.1111/mcn.12889>

g. Terindeks di Scimagojr/Thomson Reuter ISI Knowledge atau di : ...

Kategori Publikasi Jurnal Ilmiah : ☒ Jurnal Ilmiah Internasional Bereputasi (SJR > 0,10)  
☐ Jurnal Ilmiah Internasional Bereputasi (SJR < 0,10)

(beri ✓ pada kategori yang tepat) ☐ Jurnal Ilmiah International terindeks di Web of science clarivate analytics / kelompok emerging sources citation indeks (tidak terindeks SJR)

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			
	Internasional Bereputasi (SJR > 0,10)	Internasional Bereputasi (SJR < 0,10)	Internasional (tidak terindek SJR)	Nilai Akhir yang Diperoleh
	Nilai Maks: 40	Nilai Maks: 30	Nilai Maks: 20	
i. Kelengkapan unsur isi jurnal ilmiah (10%)	4	3	2	3,85
j. Ruang lingkup dan kedalaman pembahasan (30%)	12	9	6	11,55
k. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12	9	6	11,55
l. Kelengkapan unsur dan kualitas terbitan (30%)	12	9	6	11,55
<b>Total = (100%)</b>	<b>40</b>	<b>30</b>	<b>20</b>	<b>38,5</b>
<b>Nilai Pengusul =</b>				

Surabaya,  
Reviewer 1,

Prof. Dr. H. Nursalam, M.Nurs (Hos)  
NIP. 196612251989031004

Unit Kerja : Fakultas Keperawatan  
Universitas Airlangga

Catatan Peer Reviewer :

1. Tentang Kelengkapan Unsur isi

Artikel ini sudah memiliki unsur-unsur yang sesuai dengan kaidah penulisan artikel ilmiah. Unsur-nya terdiri dari abstrak, pendahuluan, metode penelitian, hasil dan pembahasan serta kesimpulan. Rekomendasi penulis adalah untuk meningkatkan perbaikan nutrisi anak berkaitan dengan hasil penelitian yang dijabarkan oleh peneliti.

2. Ruang lingkup dan kedalaman pembahasan

Ruang lingkup penelitian ini membahas mengenai determinan yang <sup>memengaruhi</sup> ~~menyebabkan~~ pemberian ASI pada anak, keragaman bahan pangan dan perilaku konsumsi makanan hewani. Pembuktian penelitian ini dilakukan dengan menggunakan data sekunder Survei Demografi Kesehatan Indonesia (SDKI). Tema penelitian dan tujuan yang ingin dicapai sesuai dengan bidang ilmu dan keahlian penulis dalam bidang keperawatan komunitas berkaitan dengan kelompok ibu dan anak di tutuan komunitas.

3. Kecukupan dan Kemutakhiran data / informasi dan metodologi

Analisis dalam penelitian ini dilakukan dengan uji statistik berupa regresi linier dan logistik dengan mengendalikan variabel lainnya. Data yang digunakan diperoleh dari dataset SDKI tahun 2012 & 2017.

4. Kelengkapan unsur dan kualitas terbitan

Kualitas kelengkapan unsur terbit baik artikel terindex di database internasional bereputasi yaitu Scopus Quartile 2 & 1 dan setiap artikel yang publish disertai dengan DOI. Jurnal diterbitkan oleh penerbit International Wiley Online. Index similarity melalui Turnitin menunjukkan kemiripan sebesar 17%. penerbit jurnal tidak masuk dalam Beall's list.

Surabaya,  
Reviewer, 1

Prof. Dr. H. Nursalam, M.Nurs (Hons)  
NIP. 196612251989031004

Unit Kerja : Fakultas Keperawatan  
Universitas Airlangga



**LEMBAR**  
**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW**  
**KARYA ILMIAH : JURNAL ILMIAH INTERNASIONAL**

**FORM 12**

Judul Jurnal Ilmiah (Artikel) : Determinants of age-appropriate breastfeeding, dietary diversity, and consumption of animal source foods among Indonesian children

Jumlah penulis : 1) Susy K. Sebayang, 2) Michael J. Dibley, 3) Erni Astutik, 4) Ferry Efendi, 5) Patrick J. Kelly, 6) Mu Li (6) orang

Status Pengusul : Penulis Ke-4 dari 6 penulis

Identitas Jurnal Ilmiah : a. Nama Jurnal : Maternal & Child Nutrition  
b. Nomor ISSN: 1740-8695  
c. Volume, Nomor, bulan, tahun : Vol. 16 No. 1 (2020)  
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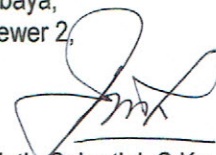
g. Terindeks di Scimagojr/Thomson Reuter ISI Knowledge atau di : ...

Kategori Publikasi Jurnal Ilmiah : ☒ Jurnal Ilmiah Internasional Bereputasi (SJR > 0,10)  
☐ Jurnal Ilmiah Internasional Bereputasi (SJR < 0,10)  
(beri ✓ pada kategori yang tepat) ☐ Jurnal Ilmiah International terindeks di Web of science clarivate analytics / kelompok emerging sources citation indeks (tidak terindeks SJR)

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			
	Internasional Bereputasi (SJR > 0,10)	Internasional Bereputasi (SJR < 0,10)	Internasional (tidak terindeks SJR)	Nilai Akhir yang Diperoleh
	Nilai Maks: 40	Nilai Maks: 30	Nilai Maks: 20	
m. Kelengkapan unsur isi jurnal ilmiah (10%)	4	3	2	3,9
n. Ruang lingkup dan kedalaman pembahasan (30%)	12	9	6	11,70
o. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12	9	6	11,70
p. Kelengkapan unsur dan kualitas terbitan (30%)	12	9	6	11,70
<b>Total = (100%)</b>	<b>40</b>	<b>30</b>	<b>20</b>	<b>38</b>
<b>Nilai Pengusul =</b>				

Surabaya,  
Reviewer 2,



Dr. Tintin Sukartini, S.Kp., M.Kes.  
NIP. 197212172000032001

Unit Kerja : Fakultas Keperawatan  
Universitas Airlangga

## Catatan Peer Reviewer :

## 1. Tentang Kelengkapan Unsur isi

Artikel ini sudah sesuai dengan kaidah penulisan artikel ilmiah yang dimulai dari abstrak, pendahuluan, metode penelitian, hasil dan pembahasan serta kesimpulan. Rekomendasi bagi penelitian selanjutnya juga dicantumkan pada artikel termasuk juga didalamnya yaitu kelebihan dan kekurangan penelitian yang dapat dijadikan pertimbangan.

## 2. Ruang lingkup dan kedalaman pembahasan

Ruang lingkup penelitian ini membahas mengenai faktor yang mempengaruhi pemberian ASI pada anak, keberagaman bahan pangan dan perilaku konsumsi makanan hewan. Analisis dibawah secara mendalam dengan analisis univariat dan multivariat dengan memaparkan temuan secara umum, membandingkan dengan studi sebelumnya, mekanisme yang mungkin serta kelebihan dan kekurangan studi.

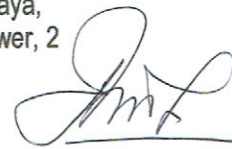
## 3. Kecukupan dan Kemutakhiran data / informasi dan metodologi

Data yang digunakan cukup mutakhir dengan menggunakan dataset SDG 2021 dan 2017 yang merupakan data dengan representasi nasional.

## 4. Kelengkapan unsur dan kualitas terbitan

Unsur artikel lengkap dengan kualitas terbitan masuk kedalam internasional bereputasi SCOPUS Q1 (nilai SJR 2019 sebesar 1.535 dan h-index jurnal sebesar 57). Jurnal diterbitkan oleh Wiley dan tidak ditemukan Indikasi Plagiasi dengan Uji kemiripan sebesar 19%.

Surabaya,  
Reviewer, 2



Dr. Tintin Sukartini, S.Kp., M.Kes.  
NIP. 197212172000032001

Unit Kerja : Fakultas Keperawatan  
Universitas Airlangga



**HASIL VALIDASI DAN PENILAIAN  
KARYA ILMIAH DOSEN UNIVERSITAS AIRLANGGA  
(MEDIA PUBLIKASI KARYA ILMIAH: JURNAL ILMIAH INTERNASIONAL)**

**A. Identitas Karya Ilmiah**

- Judul Jurnal Ilmiah (Artikel) : Determinants of age-appropriate breastfeeding, dietary diversity, and consumption of animal source foods among Indonesian children
- Jumlah penulis : 1) Susy K. Sebayang, 2) Michael J. Dibley, 3) Erni Astutik, 4) Ferry Efendi, 5) Patrick J. Kelly, 6) Mu Li 6.(enam ) orang
- Status Pengusul : Penulis Ke. 4 dari 6 penulis
- Identitas Jurnal Ilmiah : a. Nama Jurnal : Maternal & Child Nutrition  
b. Nomor ISSN: 17408695, 17408709  
c. Volume, Nomor, bulan, tahun : Vol.16 No.1  
d. Penerbit : [Wiley-Blackwell Publishing Ltd](http://Wiley-Blackwell Publishing Ltd)  
e. DOI artikel : 10.1111/mcn.12889  
f. Alamat web Jurnal : <https://onlinelibrary.wiley.com/doi/full/10.1111/mcn.12889>  
g. Terindek di Scimagojr/Thomson Reuter ISI Knowledge atau di : ...

- B. Kategori Publikasi Jurnal Ilmiah : ☐ Jurnal Ilmiah Internasional Bereputasi (SJR > 0,10)  
(beri ✓ pada kategori yang tepat) : ☐ Jurnal Ilmiah Internasional Bereputasi (SJR < 0,10)  
☐ Jurnal Ilmiah Internasional terindeks di Web of science clarivate analytics / kelompok emerging sources citation indeks (tidak terindeks SJR)

**C. Rekapitulasi hasil penilaian angka kredit**

Komponen yang dinilai		Reviewer I	Reviewer II	Nilai Rata-rata
a.	Kelengkapan unsur isi Jurnal Ilmiah (10%)	3,85	3,9	3,88
b.	Ruang lingkup dan kedalaman pembahasan (30%)	11,55	11,7	11,63
c.	Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	11,55	11,7	11,63
d.	Kelengkapan unsur dan kualitas terbitan (30%)	11,55	11,7	11,63
<b>Total = (100%)</b>		<b>38,5</b>	<b>39</b>	<b>38,75</b>

**D. Hasil Validasi Ketua Departemen**

Telah diperiksa dan divalidasi dengan baik, dan sampai pernyataan ini dibuat sebagai karya ilmiah **original / plagiat\***, sehingga kami turut bertanggung jawab bahwa karya ilmiah tersebut telah memenuhi syarat kaidah ilmiah, norma akademik, dan norma hukum, sesuai dengan Peraturan Menteri Pendidikan Nasional Nomor 17 Tahun 2010 tanggal 16 Agustus 2010 tentang Pencegahan dan Penanggulangan Plagiat di Perguruan Tinggi. Namun demikian, apabila di kemudian hari ternyata terbukti bahwa karya ilmiah tersebut merupakan karya Ilmiah Plagiat, maka akan menjadi tanggung jawab mutlak penulis tersebut di atas, baik secara perdata maupun pidana.

Demikian surat pernyataan ini saya buat untuk dipergunakan sebagaimana mestinya

\* Coret salah satu

Surabaya,  
Ketua Departemen, Kep. Lanjut

Dr. Yulis Setiya Dewi, S.Kep.Ns., M.Ng.  
NIP. 197507092005012001

Unit Kerja : Fakultas Keperawatan  
Universitas Airlangga

# Maternal & Child Nutrition - Manuscript ID MCN-12-18-OA-3596

External

Inbox



**Yashoda Kodamanchili** <onbehalf@manuscriptcentral.com>

Tue, Apr 16,  
2019, 4:27  
PM

to sksebayang, sksebayang, michael.dibley, erniastutik, me, p.kelly, mu.li

16-Apr-2019

Dear Dr Sebayang:

Thank you for submitting your manuscript "Determinants of age-inappropriate breastfeeding, improved dietary diversity and good consumption of animal source foods among children 0 – 23 months: Analysis of the 2012 and 2017 Indonesian Demographic Health Surveys" to Maternal & Child Nutrition. Your manuscript ID is MCN-12-18-OA-3596. Your paper will now be checked by the Editorial Office to ensure that it complies with our 'Double Blind' requirements and that it is ready to go to an Editor. If there are any changes required, your manuscript will be returned to you and you will receive instructions by email of what changes to make. If there are no changes required, your manuscript will be assigned to an Editor for initial assessment.

The editors and associate editors first review each manuscript for appropriateness to the Journal. Based upon this review, approximately 50% of all submissions are sent on for external review. We typically make our decision about this within about 10 days of receipt of your paper. Should we decide that your paper will not proceed to peer review, we will notify you by email shortly thereafter.

Please mention the above manuscript ID in all future correspondence. You can also view the status of your manuscript at any time by checking your Author Centre after logging in to <https://mc.manuscriptcentral.com/mcn>.

Thank you for your support of MCN through your manuscript submission.

Sincerely,  
Maternal & Child Nutrition Editorial Office

Impact Factor: 3.233

ISI Journal Citation Reports © Ranking: 2017: 13/124 (Pediatrics); 29/81 (Nutrition & Dietetics)

Online ISSN: 1740-8709

04-Jun-2019

Dear Dr Sebayang:

Manuscript ID MCN-12-18-OA-3596 entitled "Determinants of age-inappropriate breastfeeding, improved dietary diversity and good consumption of animal source foods among children 0 – 23 months: Analysis of the 2012 and 2017 Indonesian Demographic Health Surveys" which you submitted to Maternal & Child Nutrition, has been reviewed. The comments of the reviewers are included at the bottom of this letter.

The reviewers have recommended some revisions to your manuscript. We would be grateful if you could address the comments in a revised manuscript, highlighting all the changes made in the document, and provide a cover letter giving a point-by-point response to the concerns. Before submitting your revisions, please prepare the following documents:

1. A cover letter giving a point-by-point response to the reviewers' concerns. In order to expedite the processing of the revised manuscript, please be as specific as possible in your response.
2. A revised manuscript (word document), highlighting all the changes made in the document. Please try to address all of the concerns raised by the reviewers within the manuscript. Should you disagree with the reviewers' comments, please provide explanations.
3. A "clean" version of your revised manuscript where the changes are not marked.

If you feel that your paper could benefit from English language polishing, you may wish to consider having your paper professionally edited for English language by a service such as Wiley's at <http://wileyeditingservices.com>. Please note that while this service will greatly improve the readability of your paper, it does not guarantee acceptance of your paper by the journal.

To submit your revised manuscript:

1. Log in by clicking on the link below

\*\*\* PLEASE NOTE: This is a two-step process. After clicking on the link, you will be directed to a webpage to confirm. \*\*\*

[https://mc.manuscriptcentral.com/mcn?URL\\_MASK=48c7a439379541c292c4601f37447538](https://mc.manuscriptcentral.com/mcn?URL_MASK=48c7a439379541c292c4601f37447538)

OR

Log into <https://mc.manuscriptcentral.com/mcn> and click on Author Center. You will find your manuscript title listed under "Manuscripts with Decisions". Under "Actions," click on "Create a Revision." Your manuscript number has been appended to denote a revision. PLEASE DO NOT SUBMIT YOUR REVISIONS AS A NEW MANUSCRIPT.

2. Follow the on-screen instructions. First you will be asked to provide your "Response to Decision Letter"—this is the response to reviewer comments that you prepared earlier.
3. Click through the next few screens to verify that all previously provided information is correct.
4. File Upload: Delete any files that you will be replacing (this includes your old manuscript). Upload your new revised manuscript file with changes highlighted, a "clean" copy of your revised manuscript file, any replacement figures/tables, or any new files. Once this is complete, the list of files in the "My Files" section should ONLY contain the final versions of everything.
5. Review and submit: please be sure to double-check everything carefully so that your manuscript can be processed as quickly as possible.

Because we are trying to facilitate timely publication of manuscripts submitted to Maternal & Child Nutrition, your revised manuscript should be uploaded as soon as possible. If it is not possible for you to submit your revision within 30 days of the date of this email, we may have to consider your paper as a new submission.

Once again, thank you for submitting your manuscript to Maternal & Child Nutrition and I look forward to receiving your revision.

Sincerely,  
Dr Victoria Moran  
Senior Editor, Maternal & Child Nutrition  
[mcnjournal@uclan.ac.uk](mailto:mcnjournal@uclan.ac.uk)

Impact Factor: 3.233

ISI Journal Citation Reports © Ranking: 2017: 13/124 (Pediatrics); 29/81 (Nutrition & Dietetics)

Online ISSN: 1740-8709

Reviewer(s)' Comments to Author:

Reviewer: 1



## Comments to the Author

The manuscript is well written but still contains few grammatical errors. I suggest that the authors work with a professional in revising the manuscript.

Below are my detailed comments.

Title: I would suggest that “age-inappropriate” be replaced with “age-appropriate” because of the parallelism in the title (improved dietary diversity and good consumption of animal source food, which are both positive outcomes).

Is it necessary to have the word “good” in the title? It is not clear what the authors mean by “good consumption of ASF” just by reading the title.

## Abstract

Line 7

We assessed

Outcomes should be clearly defined in the abstract, how did the authors define age-appropriate breastfeeding? Dietary diversity and what foods were included in the ASF?

How many observations were included in the analyses? Did the authors combine the data from 2002 and 2017? Or was there a comparison?

I understand these details will be further explained in the method section but having detailed description of methods in the abstract would strengthen this section.

Line 12

...higher dietary diversity...

Line 14

“higher women’s educational and knowledge level...” were these assessed differently? It sounds like they were. Otherwise, I would suggest to only say “maternal education level”

Line 18

...on improving dietary diversity...

## Introduction

Line 45

...with long-term impaired development...

Lines 50-54

Please consider indicating the direction of the association (positive, negative), also valid whenever the authors report results of association between 2 variables/outcomes. Also, this sentence would be clearer if you separate the dietary diversity-stunting and consumption of ASF-stunting.

Line 55

...that 13% of stunting in children under 5...

Lines 56-59

Consider separating in 2 sentences.

Line 60

What type of breastfeeding would prevent these 823,000 deaths? Early initiation, exclusive or continued breastfeeding at 1 year?

Lines 61-62 needs a reference.

Line 63

...exclusive breastfeeding rates

Lines 69-76

This paragraph needs further explanation to strengthen the study justification. Consider linking the malnutrition situation with the child feeding practices indicators.

Why would understanding the determinants of appropriate child feeding in Indonesia important?

As general comments, please consider using linking words to make the flow of ideas easier to follow. Also, consider adding few sentences on the importance of consuming ASF in the early years and dietary diversity. These are the primary outcomes in the study so their importance on child growth and development should be explained further.

Methods

Consider adding a sentence that data from the 2 surveys were combined.

Line 113

...properly breastfeeding the child for his/her age...

Line 124

You mentioned in the statistical analyses that you used linear regression with dietary diversity scores. It is not clear what the authors mean by "this study analyzed the mean difference in DDS".

Line 130

Is there any rationale on choosing the cutoff of 3 and more types of ASF?

Line 136

Is there any rationale on categorizing certain variables/determinants such as maternal age, age difference between mother and father, etc.? also, any rationale on the range of each category?

Line 144

...owned (did not own any, ...)

Consider replacing the wording for the rest of the manuscript

Line 167

...decision-making power...over what? Health or big purchase in the household or income or in

general?

## Results

Please consider commenting the results in the order they appear in the table.

Lines 232-233

This needs rewording. It's the mother who is breastfeeding.

Lines 237-238

This is unclear. Did the authors used the raw DDS as the dependent variable in the linear model? If so, this interpretation should be reworded.

Lines 308-325: possible mechanisms

This section should be supported by more references of previous studies.

Lines 309-310

Why?

Lines 321-322

This needs further explanation and reference.

Line 344

...fell in the worse 50%...not clear

Lines 356-359

What do ANC consultation cover now?

Figure1 is difficult to see.

For the figures, consider changing the unit on the x-axis based on what data you are presenting. For example, if percentage, consider using units of 10 (30, 40, 50) and for DDS, consider using units of 1.

These comments are suggestions and do not, in any case, lower the importance of this study and its results on the global and local efforts to improve child feeding practices and ultimately child malnutrition through evidence-based strategies.

Reviewer: 2

## Comments to the Author

The research question posed by authors is important to improve optimum infant and young child feeding practices in Indonesia. The manuscript is well-written and clear. There are a few suggestions that I would like to make to improve it further.

## Introduction:

- Although I fully agree regarding the importance of optimum child feeding practices to support child growth, I think authors might want to consider start the introduction with a paragraph related to child feeding first and then mention the importance to support growth



including preventing stunting – rather than starting with stunting in the first paragraph.

- Please spell out ASF at the first time the acronym was used (2nd paragraph – line 54).
- I found how the paragraphs were structured is a bit confusing. For example: In the 2nd paragraph, authors first talked about dietary diversity – then moved to ASF in the next sentence. Then go back to dietary diversity again. Authors might want to revisit the structure. Similarly, in the third paragraph, authors talked about breastfeeding but then in the fifth paragraph, the breastfeeding topic is discussed again.
- 3rd paragraph: regarding the economic consequence of inappropriate practice, is there any information from Indonesia?
- Please translate Balitbangkes – to make it clearer. The reference list could also have the Indonesian name and English translation.
- I think paragraph 5 is quite confusing as authors mixed all the outcomes and studies showing factors associated with each of them. I suggest authors to make it clearer to readers.
- I found that last paragraph with the objective statement is a bit separated from the previous paragraphs. Authors might want to add some sentences leading to the objective statement at the end.
- Authors might want to add a paragraph stating the significance of the study at the end of the Introduction Section.

#### Methods:

- An analytical framework will help to explain all the variables used in this study
- Please mention the inclusion criteria applied. How many children were included in this analysis from each survey?
- I found it interesting that authors combined all provinces outside Sumatera and Java as Eastern Indonesia. The discrepancy between provinces in this group is known to be quite large. Was there any specific reason or theoretical background for authors to do so? Statistically, did authors also check if they all could be combined together as Eastern Indonesia?
- For ANC quality, what was the reason for authors for using those cut-off points?
- From the results, we could see that women's empowerment factors were categorized into three groups. What was the basis of this categorization?
- Did authors check for any potential interaction or collinearity between variables used in this analysis?
- There is a variable titled knowledge level of women. What kind of knowledge level was used by authors?

#### Results and Discussion

- Tables should be self-explanatory. I suggest authors include footnotes to explain the constructed variables/indices used in this analysis, e.g. disagreement towards wife beating – what the variables consisted of? This is similar to decision making power, labour force variables; women knowledge. Please check throughout Table 3-4.
- Similar to the Introduction Section, I suggest authors to make the structure clearer, for example by structuring it based on outcomes per paragraph.
- Authors have covered most of the findings in the policy implications. I suggested authors include recommended actions to improve the quality of antenatal care or counselling provided, as well as the differences in region/provinces found in this study.
- Another issue with age-inappropriate breastfeeding is the introduction of formula milk by

birth attendants in health facilities directly after birth. What could authors recommend based on findings from other studies/previous literature?

### Response to Reviewers' Comments

Reviewer(s)' Comments to Author:

#### REVIEWER: 1

Comments to the Author

**Comment:**

The manuscript is well written but still contains few grammatical errors. I suggest that the authors work with a professional in revising the manuscript.

**Response:**

*The manuscript has been edited by a native English speaker.*

Below are my detailed comments.

**Comment:**

Title: I would suggest that “age-inappropriate” be replaced with “age-appropriate” because of the parallelism in the title (improved dietary diversity and good consumption of animal source food, which are both positive outcomes).

Is it necessary to have the word “good” in the title? It is not clear what the authors mean by “good consumption of ASF” just by reading the title.

**Response:**

*Thank you for the comment. As suggested we have changed the title to the following:*

“Determinants of age-appropriate breastfeeding, dietary diversity and consumption of animal source foods among children 0 – 23 months: Analysis of the 2012 and 2017 Indonesian Demographic Health Surveys”

**Comment:**

Abstract

Line 7

We assessed

Outcomes should be clearly defined in the abstract, how did the authors define age-appropriate breastfeeding? Dietary diversity and what foods were included in the ASF?

How many observations were included in the analyses? Did the authors combine the data from 2002 and 2017? Or was there a comparison?

I understand these details will be further explained in the method section but having detailed description of methods in the abstract would strengthen this section.

**Response:**

We added in the abstract the number of observations in the analysis and that we combined data from the 2012 and 2017 surveys. Due to word limits we cannot add definition of outcomes in the abstract

**Comment:**

Line 12

...higher dietary diversity...

**Response:**

*The word was revised as suggested.*

**Comment:**

Line 14

“higher women’s educational and knowledge level...” were these assessed differently? It sounds like they were. Otherwise, I would suggest to only say “maternal education level”

**Response:**

*Thank you for pointing this out. Women’s educational and knowledge level is one indicator created from both maternal formal education level and her access to media that we think is a proxy for her knowledge. Therefore, we have now changed the term to women’s knowledge level to keep it simple.*

**Comment:**

Line 18

...on improving dietary diversity...

**Response:**

*The sentence was revised as suggested.*

**Comment:**

Introduction

Line 45

...with long-term impaired development...

**Response:**

*The change was made as suggested.*

**Comment:**

Lines 50-54

Please consider indicating the direction of the association (positive, negative), also valid whenever the authors report results of association between 2 variables/outcomes. Also, this sentence would be clearer if you separate the dietary diversity-stunting and consumption of ASF-stunting.

**Response:**

*The manuscript was revised as suggested.*

**Comment:**

Line 55

...that 13% of stunting in children under 5...

**Response:**

*Changes were made as suggested*

**Comment:**

Lines 56-59

Consider separating in 2 sentences.

**Response:**

*The paragraph is now rearranged for better clarity and flow.*

**Comment:**

Line 60

What type of breastfeeding would prevent these 823,000 deaths? Early initiation, exclusive or continued breastfeeding at 1 year?



**Response:**

*Both exclusive and continued breastfeeding was calculated in the study. Changes have been made in the manuscript for clarity.*

**Comment:**

Lines 61-62 needs a reference.

**Response:**

*The reference was added*

**Comment:**

Line 63

...exclusive breastfeeding rates

**Response:**

*Changes was made as suggested*

**Comment:**

Lines 69-76

This paragraph needs further explanation to strengthen the study justification. Consider linking the malnutrition situation with the child feeding practices indicators.

**Response:**

*Introduction section has been revised as suggested.*

**Comment:**

Why would understanding the determinants of appropriate child feeding in Indonesia important?

**Response:**

*Further explanation has been added as suggested*

**Comment:**

As general comments, please consider using linking words to make the flow of ideas easier to follow. Also, consider adding few sentences on the importance of consuming ASF in the early years and dietary diversity. These are the primary outcomes in the study so their importance on child growth and development should be explained further.

**Response:**

*Linking words are now added for better flow. The link between ASF consumption and dietary diversity with stunting are presented in paragraph 1.*

**Comment:**

Methods

Consider adding a sentence that data from the 2 surveys were combined.

**Response:**

*Thank you for the suggestion. We have made the change as suggested. The second sentence in the methods section now reads "We used data from the last two surveys (2012 and 2017), which we combined for our analyses"*

**Comment:**

Line 113

...properly breastfeeding the child for his/her age...

**Response:**

*The changes were made as suggested.*

**Comment:**

Line 124

You mentioned in the statistical analyses that you used linear regression with dietary diversity scores. It is not clear what the authors mean by “this study analyzed the mean difference in DDS”.

**Response:**

*Thank you for pointing this out. We have made changes to the sentence. The sentence now reads as follows:*

*“This study analysed the increase in mean dietary diversity score”*

**Comment:**

Line 130

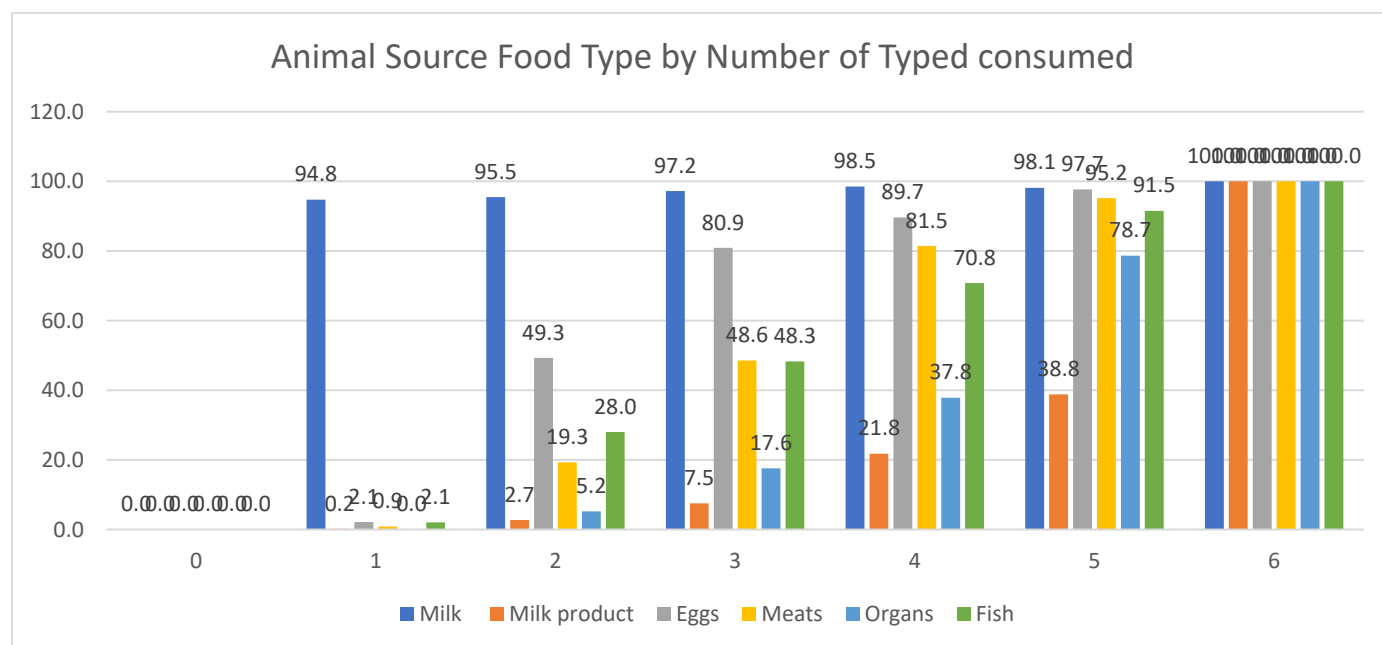
Is there any rationale on choosing the cutoff of 3 and more types of ASF?

**Response:**

*We checked the distribution of types of ASF in the dataset. 60% of the samples consumed only 0 – 2 types of ASF the day before the survey. When we checked the type consumed by number of types consumed we found that most children ate milk and eggs. Less than 30% of children who had 2 types of ASF had fish and <20% had meat. There were nearly 50% children eating fish and meat among those who consumed 3 types of ASF. Thus, we decided to use the cut off of 3+ ASF.*

*Line 130 in the manuscript has been revised as follows:*

*“Based on the distribution of the variety of ASF types by the number of types consumed, a child is considered to have an adequate number of ASF if fed three or more types of ASF 24 hours before the interview”*



**Comment:**

Line 136

Is there any rationale on categorizing certain variables/determinants such as maternal age, age difference between mother and father, etc.? also, any rationale on the range of each category?

**Response:**

*We used the categorisation commonly used for DHS data. For age difference between mother and father, we followed our previous publication using DHS data: Sebayang, S. K., Efendi, F., & Astutik, E.*

(2019). Women's empowerment and the use of antenatal care services: analysis of demographic health surveys in five Southeast Asian countries. *Women Health*, 1-17. doi:10.1080/03630242.2019.1593282

**Comment:**

Line 144

...owned (did not own any, ...)

Consider replacing the wording for the rest of the manuscript

**Response:**

*The changes were made based on the suggestion.*

**Comment:**

Line 167

...decision-making power...over what? Health or big purchase in the household or income or in general?

**Response:**

*Information on decision making power in the household is now added in the paragraph*

**Comment:**

Results

Please consider commenting the results in the order they appear in the table.

**Response:**

*Changes were made as suggested. Results are now commented in the order of their appearance in the table.*

**Comment:**

Lines 232-233

This needs rewording. It's the mother who is breastfeeding.

**Response:**

*Changes were made as suggested*

**Comment:**

Lines 237-238

This is unclear. Did the authors used the raw DDS as the dependent variable in the linear model? If so, this interpretation should be reworded.

**Response:**

*The paragraphs were revised and reworded as suggested*

**Comment:**

Lines 308-325: possible mechanisms

This section should be supported by more references of previous studies.

**Response:**

*More references have been added*

**Comment:**

Lines 309-310

Why?

**Response:**

*Possible mechanism have been added*

**Comment:**

Lines 321-322

This needs further explanation and reference.

**Response:**

*The sentence was revised for better clarity*



**Comment:**

Line 344

...fell in the worse 50%...not clear

**Response:**

*The sentence is now changed for clarity to: 'Our results show that the Indonesian government needs to focus on programs to improve child feeding in all eastern parts of Indonesia as well as in several provinces in western Indonesia that were amongst the worse half of all provinces.'. The list of the provinces in west Indonesia in the worse half is provided in the next sentence*

**Comment:**

Lines 356-359

What do ANC consultation cover now?

**Response:**

*We have described the information given on consultation in the text.*

**Comment:**

Figure1 is difficult to see.

For the figures, consider changing the unit on the x-axis based on what data you are presenting. For example, if percentage, consider using units of 10 (30, 40, 50) and for DDS, consider using units of 1.

**Response:**

*The figures have been updated as suggested*

These comments are suggestions and do not, in any case, lower the importance of this study and its results on the global and local efforts to improve child feeding practices and ultimately child malnutrition through evidence-based strategies.

**REVIEWER: 2**

Comments to the Author

The research question posed by authors is important to improve optimum infant and young child feeding practices in Indonesia. The manuscript is well-written and clear. There are a few suggestions that I would like to make to improve it further.

**Comment:**

Introduction:

Although I fully agree regarding the importance of optimum child feeding practices to support child growth, I think authors might want to consider start the introduction with a paragraph related to child feeding first and then mention the importance to support growth including preventing stunting – rather than starting with stunting in the first paragraph.

**Response:**

*The Introduction was revised as suggested.*

**Comment:**

Please spell out ASF at the first time the acronym was used (2nd paragraph – line 54).

**Response:**

*ASF is already spelled out at the first time it's used on the second sentence of the second paragraph. The sentence now reads as follows: " Similarly, higher consumption of animal source food (ASF) (Headey, Hirvonen, & Hoddinott, 2018; Krasevec et al., 2017)"*

**Comment:**

I found how the paragraphs were structured is a bit confusing. For example: In the 2nd paragraph, authors first talked about dietary diversity – then moved to ASF in the next sentence. Then go back to dietary diversity again. Authors might want to revisit the structure. Similarly, in the third paragraph,

authors talked about breastfeeding but then in the fifth paragraph, the breastfeeding topic is discussed again.

**Response:**

*The second paragraph has been rearranged for better structure as suggested. The third paragraph presents the impact of not breastfeeding while the fifth paragraph discusses factors known to be associated with child feeding. Therefore, these paragraphs are kept unchanged.*

**Comment:**

3rd paragraph: regarding the economic consequence of inappropriate practice, is there any information from Indonesia?

**Response:**

*Estimate for Indonesia is now provided.*

**Comment:**

Please translate Balitbangkes – to make it clearer. The reference list could also have the Indonesian name and English translation.

**Response:**

*The changes have been made as suggested*

**Comment:**

I think paragraph 5 is quite confusing as authors mixed all the outcomes and studies showing factors associated with each of them. I suggest authors to make it clearer to readers.

**Response:**

*Paragraph 5 is now revised for clarity*

**Comment:**

I found that last paragraph with the objective statement is a bit separated from the previous paragraphs. Authors might want to add some sentences leading to the objective statement at the end.

**Response:**

*The last paragraph of introduction is now revised as suggested*

**Comment:**

Authors might want to add a paragraph stating the significance of the study at the end of the Introduction Section.

**Response:**

*We have now added the significance of the study to provide evidence for programs in the last paragraph*

**Comment:**

Methods:

An analytical framework will help to explain all the variables used in this study

**Response:**

*We have now added an analytical framework in the supplementary file 1*

**Comment:**

Please mention the inclusion criteria applied. How many children were included in this analysis from each survey?

**Response:**

*The inclusion criteria (last born child age 0 – 23 months who were alive at interview and lived with their mother) is now inserted in the methods section*

**Comment:**

I found it interesting that authors combined all provinces outside Sumatera and Java as Eastern Indonesia. The discrepancy between provinces in this group is known to be quite large. Was there any

specific reason or theoretical background for authors to do so? Statistically, did authors also check if they all could be combined together as Eastern Indonesia?

**Response:**

*As a development term used by Indonesian government, Eastern Indonesia commonly covers area outside of Java, Sumatra and Kalimantan. However, since 2 of 4 provinces in Kalimantan were among the worse half in age-inappropriate breastfeeding and dietary diversity, we decided to include Kalimantan as Eastern Indonesia in our analysis. We retested the final models using regions where Kalimantan was included as western Indonesia and the results were similar for all determinants. The difference between Eastern and western became:*

“When we categorised Kalimantan in west Indonesia, the odds of age-inappropriate breastfeeding for east Indonesia was 17% higher (OR=1.17; 95%CI: 1.05 - 1.30, p=0.006) than that of west Indonesia.”

“When we included Kalimantan in west Indonesia, the dietary diversity score for East Indonesia was 0.29 less (95%CI: -0.38-0.19, p<0.0001) than that for west Indonesia.”

“When we included Kalimantan in west Indonesia, the odds of consuming 3+ types of ASF in east Indonesia was 21% (OR:0.79; 95%CI: 0.69-0.90, p= 0.0004) lower compared to west Indonesia.”

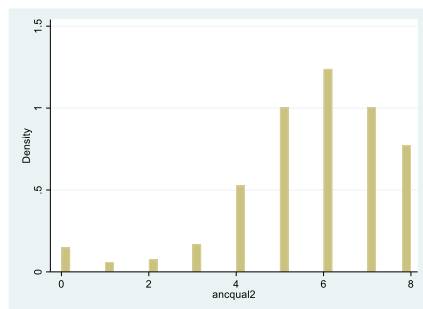
*This is now made clear in the methods and results sections.*

**Comment:**

For ANC quality, what was the reason for authors for using those cut-off points?

**Response:**

*We observed the histogram below of the total number of services the women had during ANC and found that the peak was at 6. Thus, we categorized those having more than 6 as a very good performing ANC service and placed those having  $\leq 6$  into another category. It is obvious from the histogram that those having 0-3 services had a similar percentage and thus we categorized them into a group as very low performing. Thus, we finally had three categories of 1-3, 4-6 and 7-8 services.*



**Comment:**

From the results, we could see that women's empowerment factors were categorized into three groups. What was the basis of this categorization?

**Response:**

*The category used for women's empowerment follows those used in a previous publication (Sebayang, S. K., Efendi, F., & Astutik, E. (2019). Women's empowerment and the use of antenatal care services: analysis of demographic health surveys in five Southeast Asian countries. Women Health, 1-17. doi:10.1080/03630242.2019.1593282). Three group (tertiles) categories were used instead of quintile for easier interpretation.*

**Comment:**

Did authors check for any potential interaction or collinearity between variables used in this analysis?

**Response:**

We checked the correlation between variables and did not find any suspicious collinearity. We tested VIF for dietary diversity but did not find any VIF score >5. In our analyses we did not assess for interactions.

**Comment:**

There is a variable titled knowledge level of women. What kind of knowledge level was used by authors?

**Response:**

*The knowledge level variable was created using principal component analysis from a combination of formal education level and access to media. This is now made clearer in the methods section*

**Comment:**

Results and Discussion

Tables should be self-explanatory. I suggest authors include footnotes to explain the constructed variables/indices used in this analysis, e.g. disagreement towards wife beating – what the variables consisted of? This is similar to decision making power, labour force variables; women knowledge. Please check throughout Table 3-4.

**Response:**

*Footnotes added on Table 1-4 to explain Women's empowerment*

**Comment:**

Similar to the Introduction Section, I suggest authors to make the structure clearer, for example by structuring it based on outcomes per paragraph.

**Response:**

*The results section has already been structured by outcomes and by factors. For the discussion section we prefer to discuss it by factors instead of outcomes as we want to focus more on what factors government should focus on for improvement in overall child feeding practice. For better flow, we changed the comparison with other study sections to follow the order of appearance of the outcome from age-inappropriate breastfeeding, dietary diversity and ASF*

**Comment:**

Authors have covered most of the findings in the policy implications. I suggested authors include recommended actions to improve the quality of antenatal care or counselling provided, as well as the differences in region/provinces found in this study

**Response:**

*Recommendations to improve the counselling are already added in the manuscript. We did not analyse the programmatic difference in provinces found in the study and thus cannot recommend specifically for each province. We however provided a general recommendation for the government to focus on all eastern provinces and some provinces in west Indonesia that are still low performing.*

**Comment:**

Another issue with age-inappropriate breastfeeding is the introduction of formula milk by birth attendants in health facilities directly after birth. What could authors recommend based on findings from other studies/previous literature?

**Response:**

*We have now added recommendations to include marketing ethics as a health care quality measure*

**Sasikala Dasari <onbehalf@manuscriptcentral.com>**

Mon, Jul 15,  
2019, 2:59  
PM

to sksebayang, sksebayang, michael.dibley, erniastutik, me, p.kelly, mu.li

15-Jul-2019

Dear Dr Sebayang:

Thank you for submitting your revised manuscript "Determinants of age-appropriate breastfeeding, dietary diversity and consumption of animal source foods among children 0 – 23 months: Analysis of the 2012 and 2017 Indonesian Demographic Health Surveys" to Maternal & Child Nutrition. Your manuscript ID is MCN-12-18-OA-3596.R1. Your paper will now be checked by the Editorial Office to ensure that it complies with our 'Double Blind' requirements and that it is ready to go to an Editor. If there are any changes required, your manuscript will be returned to you and you will receive instructions by email of what changes to make. If there are no changes required, your manuscript will be assigned to an Editor for initial assessment.

Please mention the above manuscript ID in all future correspondence. You can also view the status of your manuscript at any time by checking your Author Centre after logging in to <https://mc.manuscriptcentral.com/mcn>.

Thank you for choosing MCN for the publication of your work.

Sincerely,  
Maternal & Child Nutrition Editorial Office

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ISI Journal Citation Reports © Ranking: 2018: 14/124 (Pediatrics); 35/86 (Nutrition & Dietetics)

Online ISSN: 1740-8709



**Victoria Moran <onbehalf@manuscriptcentral.com>**

Tue, Aug 20,  
2019, 11:07  
PM

to sksebayang, sksebayang, michael.dibley, erniastutik, me, p.kelly, mu.li

20-Aug-2019

Dear Dr Sebayang:

It is a pleasure to accept your manuscript entitled "Determinants of age-appropriate breastfeeding, dietary diversity and consumption of animal source foods among children 0 – 23 months: Analysis of the 2012 and 2017 Indonesian Demographic Health Surveys" in its current form for publication in Maternal & Child Nutrition.

First Look NEW: Please note although the manuscript is accepted the files will now be checked to ensure that everything is ready for publication, and you may be contacted if final versions of files for publication are required.

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Thank you for your contribution. We look forward to your continued support of the Journal.

Sincerely,  
Dr. Victoria Hall Moran & Prof. Rafael Pérez-Escamilla

Senior Editors, Maternal & Child Nutrition  
[mcnjournal@uclan.ac.uk](mailto:mcnjournal@uclan.ac.uk)

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Impact Factor: 3.305

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Online ISSN: 1740-8709